

Claims

1. A fuel system for a work vehicle comprising:
an integrated fuel tank, the integrated fuel tank including a fuel tank and a filler tube, the fuel tank and the filler tube integrated as one piece; and
a counterweight having a complimentary portion, the complimentary portion comprising a hole of sufficient size to allow passage of the filler tube, the integrated tank and counterweight being arranged to allow the filler tube to pass through and be surrounded by the complimentary portion.
2. The fuel system of claim 1, further comprising a cradle, the cradle supporting and surrounding lower portions of the integrated fuel tank.
3. The fuel system of claim 2, further comprising a vehicle frame wherein the cradle is attached to the vehicle frame.
4. The fuel system of claim 3, wherein the cradle holds the integrated fuel tank in place.
5. The fuel system of claim 1, further comprising a hinged door, the hinged door forming a part of the complimentary portion of the counterweight.
6. The fuel system of claim 5, wherein the hinged door has a shape that conforms to a shape of adjacent portions of the counterweight when the hinged door is in a closed position.
7. The fuel system of claim 4, wherein the cradle is made of metal.
8. The fuel system of claim 1, wherein the integrated fuel tank comprises molded plastic.
9. The fuel system of claim 3, wherein a top portion of the integrated fuel tank includes a hold down groove.
10. The fuel system of claim 9, further comprising a hold down strap, the hold down strap attached to at least one of the frame and the cradle, the hold down strap cooperating with the hold down groove to keep the lower portions of the integrated fuel tank supported and surrounded by the cradle.
11. A work vehicle comprising:
a frame;

ground engaging wheels;

an integrated fuel tank, the integrated fuel tank including a fuel tank and a filler tube, the fuel tank and the filler tube integrated as one piece; and

a counterweight having a complimentary portion, the complimentary portion comprising a hole of sufficient size to allow passage of the filler tube, the integrated fuel tank and counterweight being arranged to allow the filler tube to pass through and be surrounded by the complimentary portion.

12. The work vehicle of claim 11, further comprising a cradle, the cradle supporting and surrounding lower portions of the integrated fuel tank.

13. The work vehicle of claim 12, further comprising a vehicle frame wherein the cradle is attached to the vehicle frame.

14. The work vehicle of claim 13, wherein the cradle holds the integrated fuel tank in place.

15. The work vehicle of claim 11, further comprising a hinged door, the hinged door forming a part of the complimentary portion of the counterweight.

16. The work vehicle of claim 15, wherein the hinged door has a shape that conforms to a shape of adjacent portions of the counterweight when the hinged door is in a closed position.

17. The work vehicle of claim 14, wherein the cradle is made of metal.

18. The work vehicle of claim 11, wherein the integrated fuel tank comprises molded plastic.

19. The work vehicle of claim 13, wherein a top portion of the integrated fuel tank includes a hold down groove.

20. The work vehicle of claim 19, further comprising a hold down strap, the hold down strap attached to at least one of the frame and the cradle, the hold down strap cooperating with the hold down groove to keep the lower portions of the integrated fuel tank supported and surrounded by the cradle.